

FIG. 1 (RELATED ART)

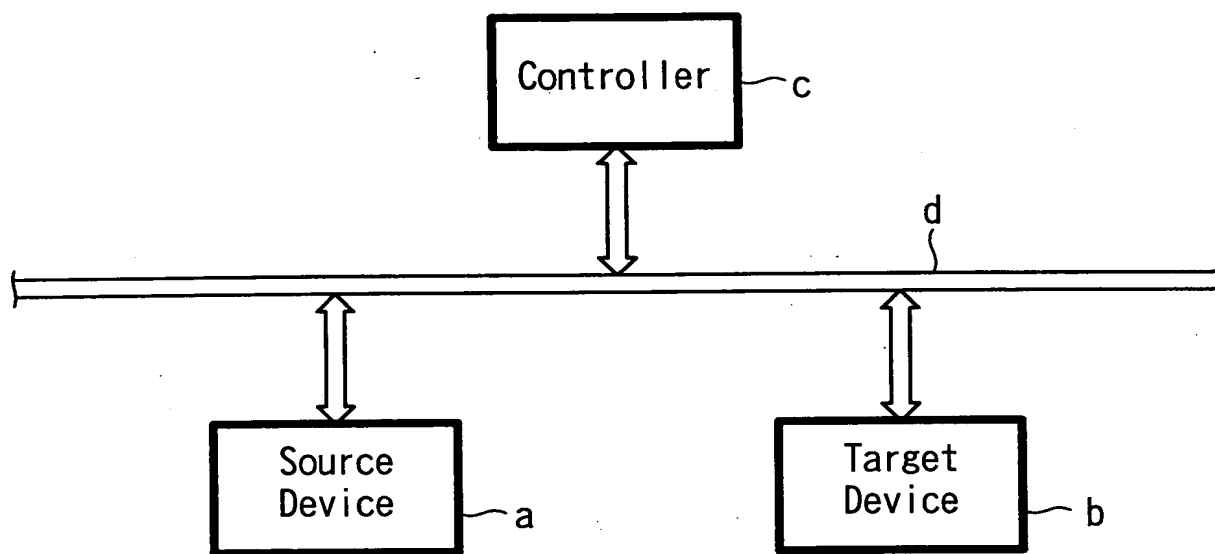


FIG. 2 (RELATED ART)

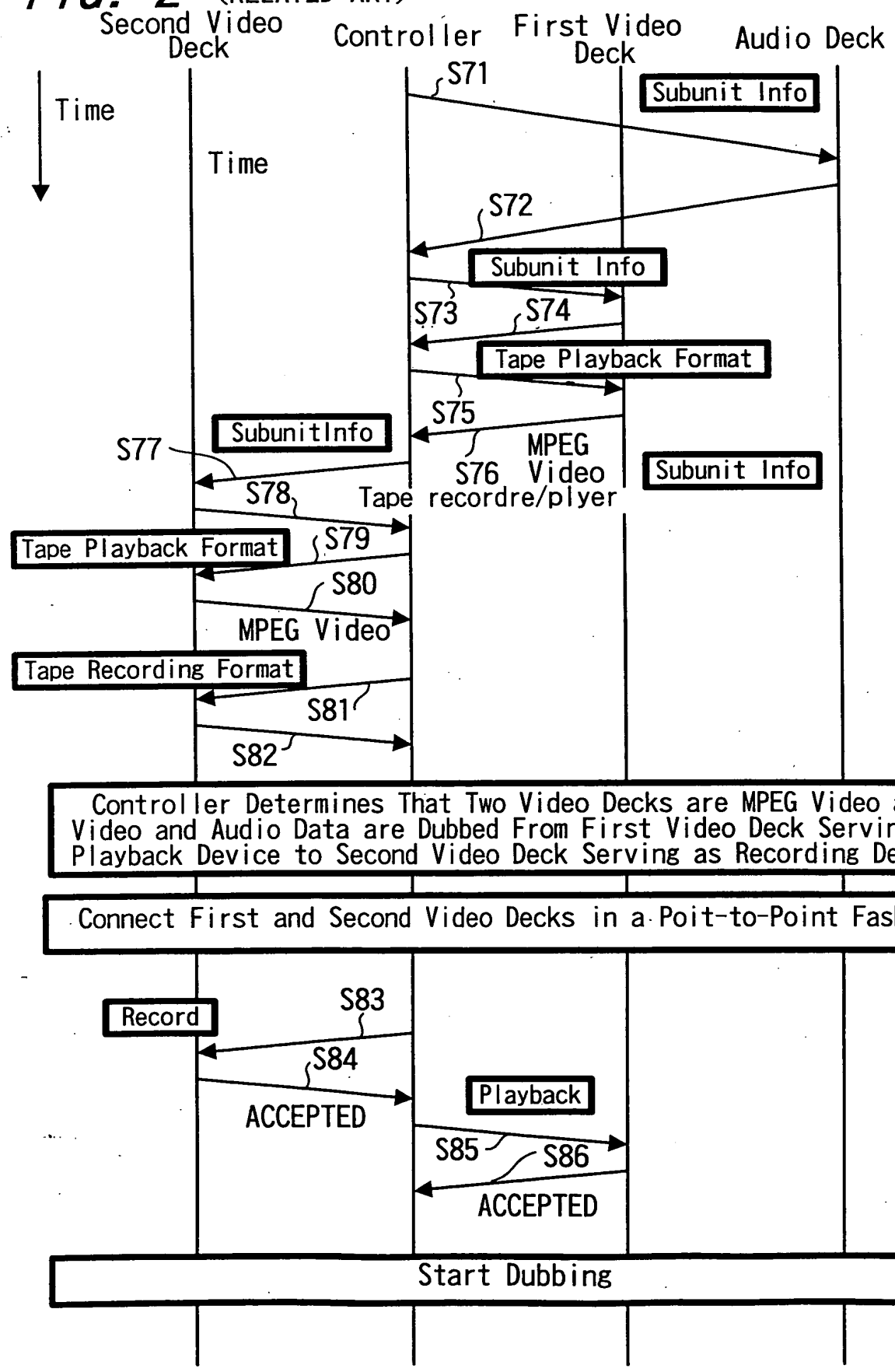


FIG. 3

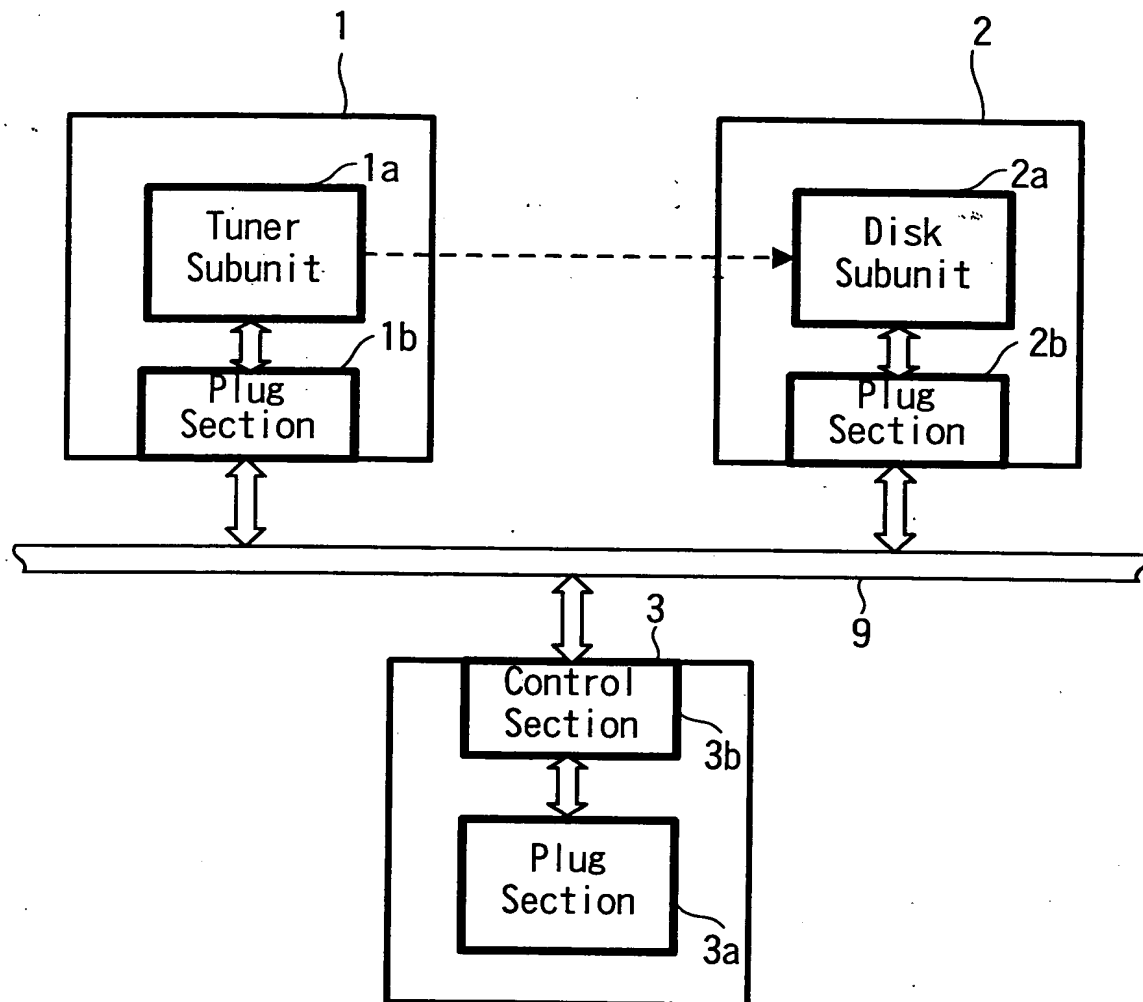


FIG. 4

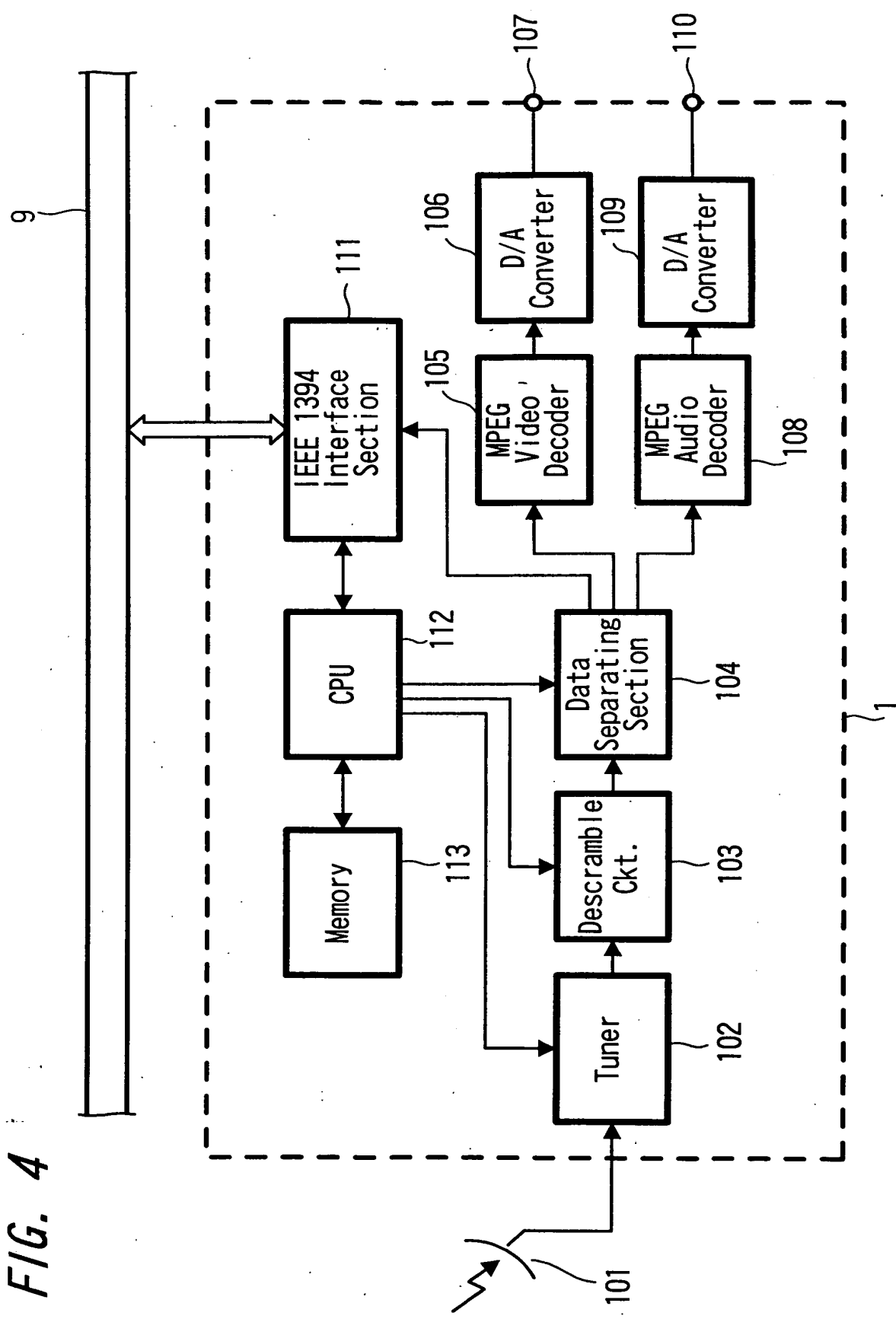
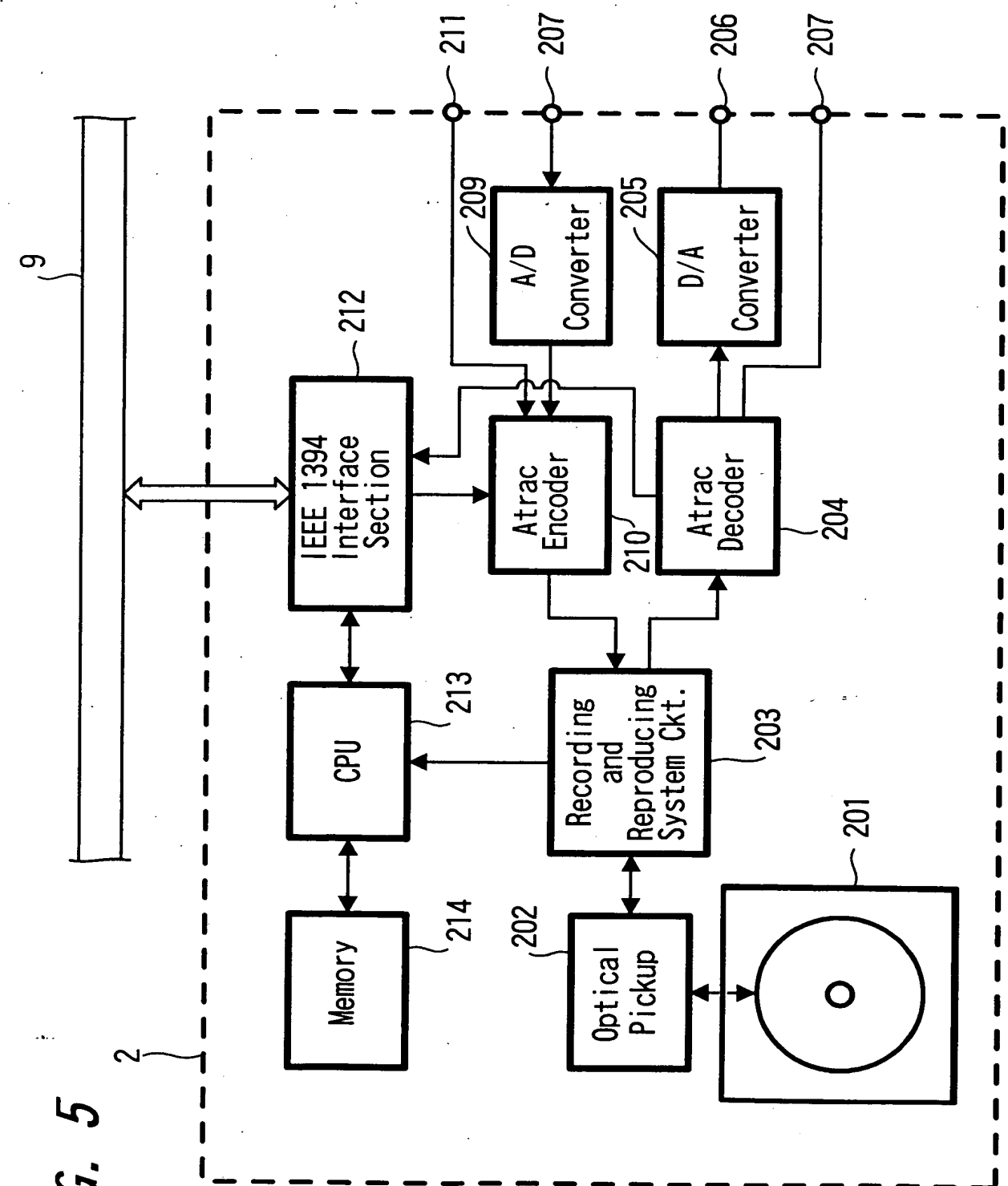
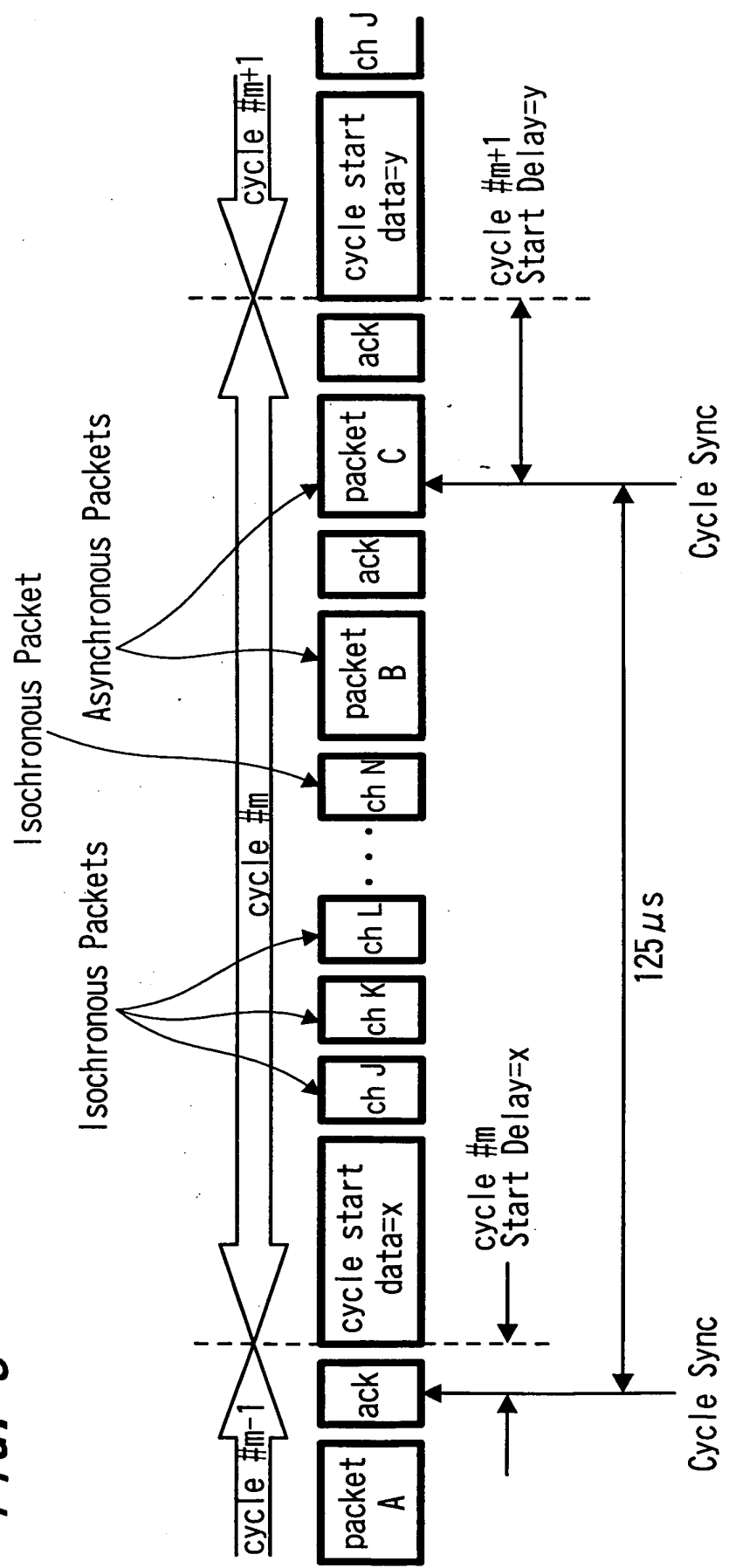


FIG. 5



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FIG. 6



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FIG. 7

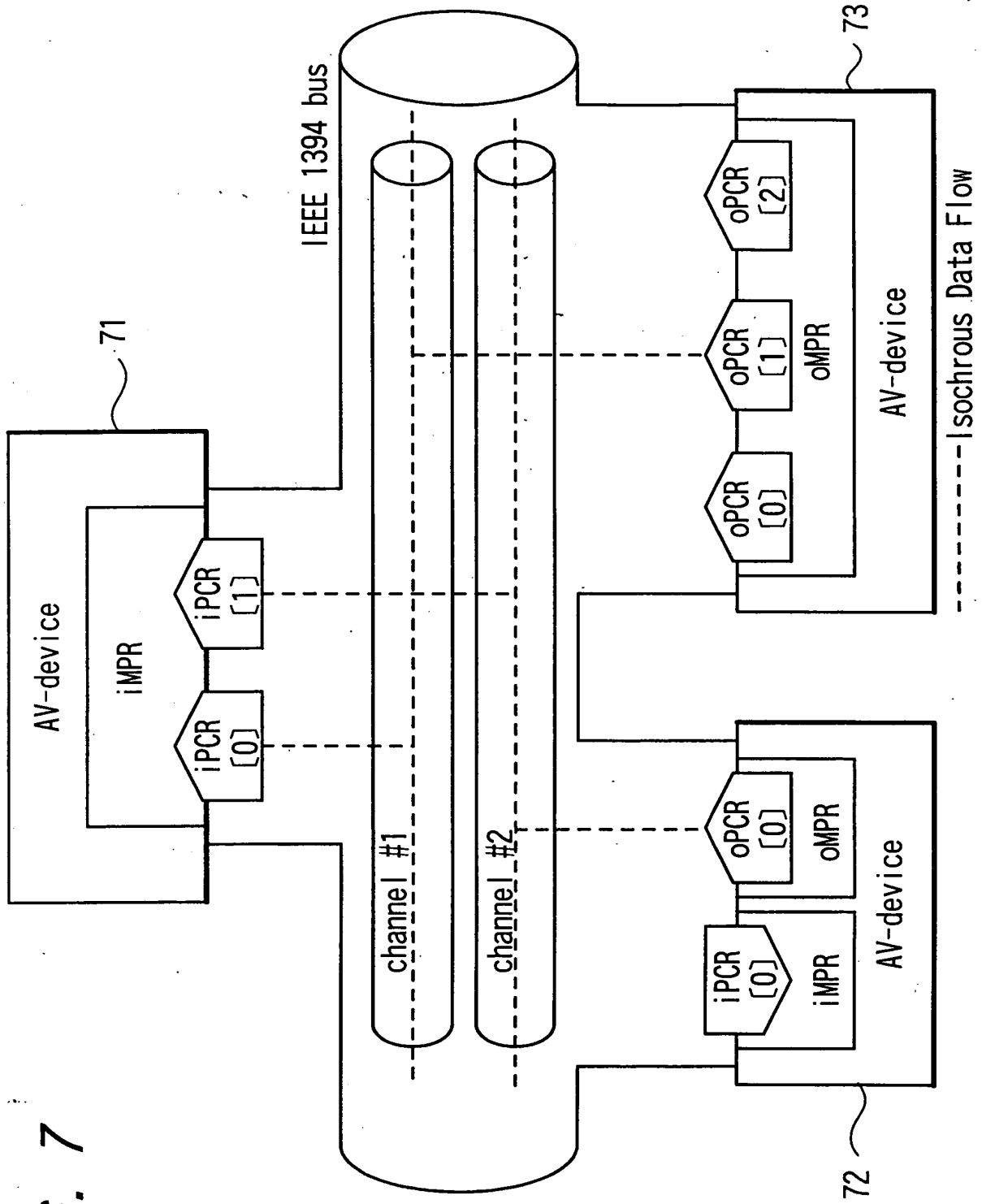
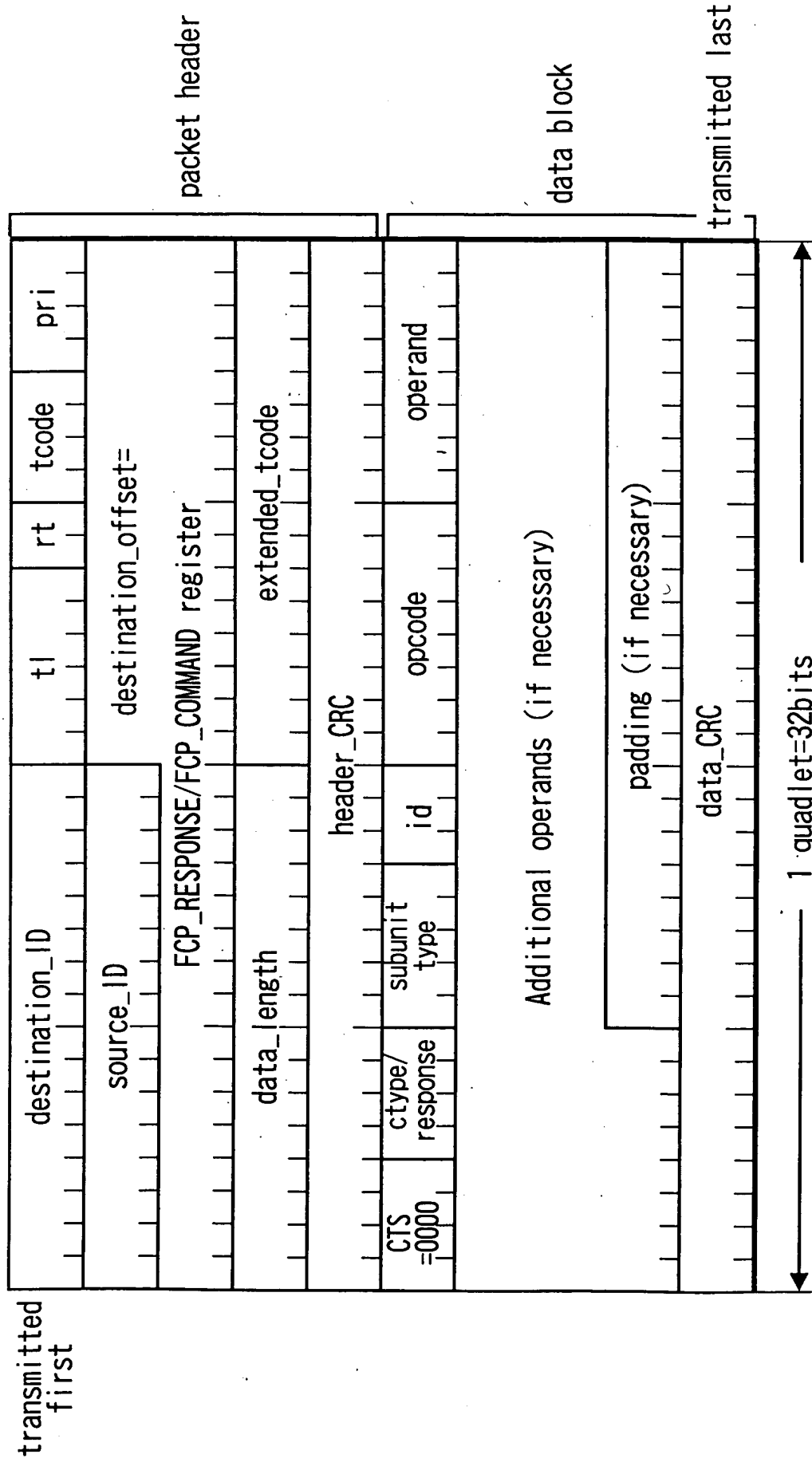


FIG. 8

Asynchronous Packet(Write Request for Data Block)



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FIG. 9A

cotype/response	
Command	0000 CONTROL
	0001 STATUS
	0010 SPECIFIC INQUIRY
	0011 NOTIFY
	0100 GENERAL INQUIRY
	0101 (reserved for future specification)
Response	0111
	1000 NOT IMPLEMENTED
	1001 ACCEPTED
	1010 REJECTED
	1011 IN TRANSITION
	1100 IMPLEMENTED/STABLE
	1101 CHANGED
	1110 (reserved for future specification)
	1111 INTERIM

FIG. 9B

subunit_type	opcode:Operation Code
00000 { 00011	VENDOR-DEPENDENT SEARCH MODE TIMECODE ATN
00100	OPEN MIC READ MIC
00101 00111 { 11100 11101 11110	WRITE MIC LOAD MEDIUM RECORD PLAY WIND {
11111	

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FIG. 10

	msb						lsb
opcode	INPUT SELECT						
operand[0]	input_plug						
operand[1]	node_ID						
operand[2]							
operand[3]	output_plug						
operand[4]	path_chg	reserved			1	1	1

FIG. 11

operand[2]	connected_plug_ID
0-1E ₁₆	Serial Bus oPCR[0]-oPCR[30]
1F ₁₆ -7F ₁₆	Reserved
80 ₁₆ -9E ₁₆	External output plug 0-30
9F ₁₆ -FF ₁₆	Reserved

FIG. 12

value	
0	No Path Change Data
1	Path Change Data

FIG. 13

	msb						lsb
opcode	INPUT SELECT						
operand[0]	input_plug						
operand[1]	connected_node_ID						
operand[2]							
operand[3]	connected_plug						
operand[4]	path_chg	reserved			result_status		

FIG. 14

value	input_plug
0-1E ₁₆	Serial Bus plug zero-30
1F ₁₆ -7F ₁₆	Reserved for future specification
80 ₁₆ -9E ₁₆	External plug zero-30
9F ₁₆ -FF ₁₆	Reserved for future specification
FF ₁₆	(not applicable for ACCEPTED response)

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FIG. 15

value	meaning	return
0000	succeeded	ACCEPTED
0001	ready	ACCEPTED
0010	busy	ACCEPTED
0011	failed	ACCEPTED
0100	disabled	REJECTED
0101	locked	REJECTED
0110	p-to-p(not owner)	REJECTED
0111	insufficient resource	REJECTED
1000	source not found	REJECTED
1001	not selected	REJECTED
1010	not registered	REJECTED
1011-1100	reserved	
1101	any other reason	REJECTED
1110	no information	INTERIM
1111	busy	INTERIM

FIG. 16

	msb						lsb
opcode	INPUT SELECT						
operand[0]	input_plug						
operand[1]	FF16						
operand[2]							
operand[3]							
operand[4]							

FIG. 17

	msb						lsb
opcode	INPUT SELECT(2916)						
operand[0]	input_plug						
operand[1]	connected_node_ID						
operand[2]							
operand[3]	connected_plug						
operand[4]	reserved			status			

FIG. 18

value	meaning
0000	reserved
0001	Connection is Active(without specific node ID)
0010	Connection is Busy(with specific node ID)
0011	Connection is ready(with specific node ID)
0100	transfer format incompatible
0101	source device is not selected
0110-1111	reserved

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FIG. 19

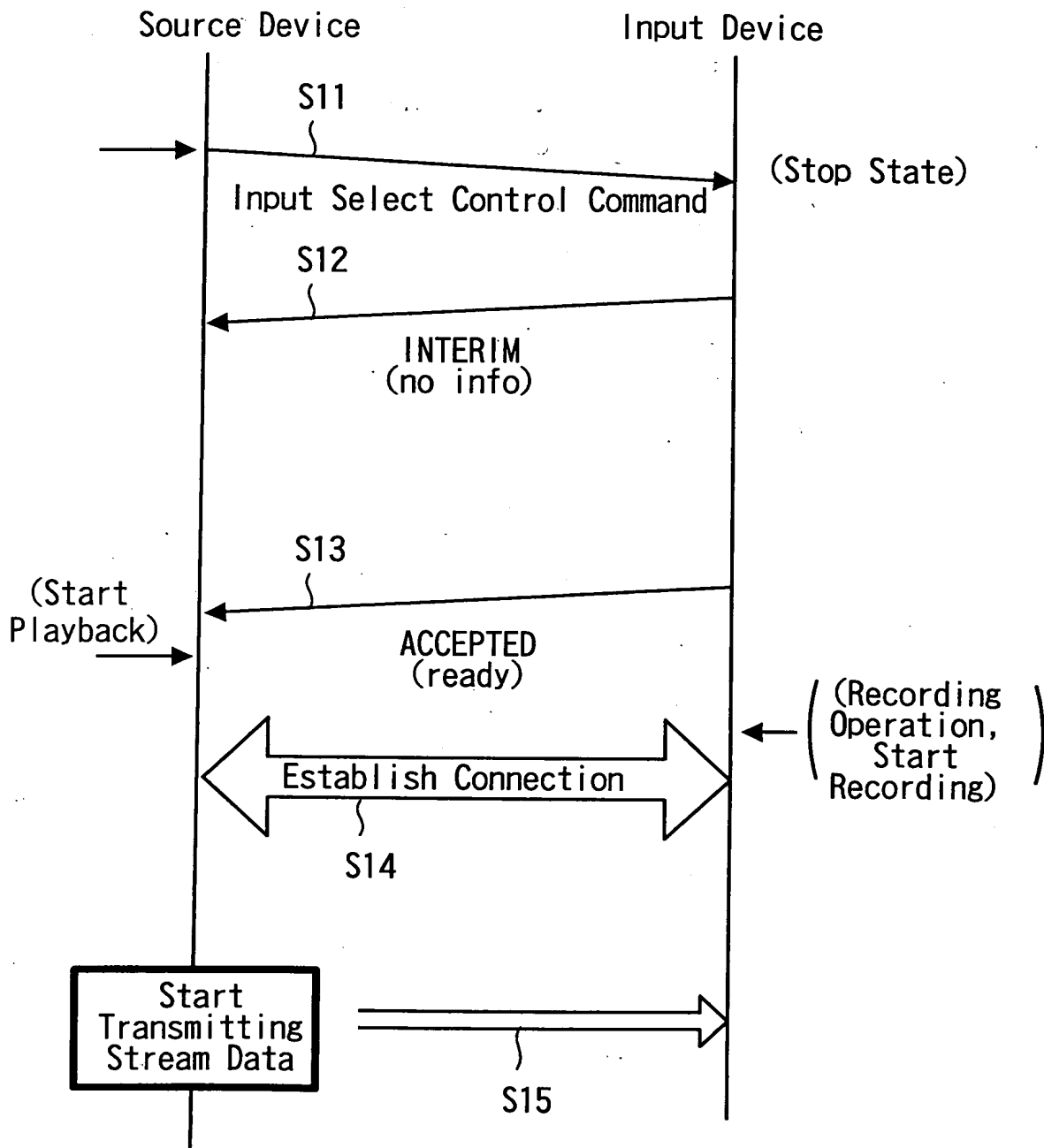
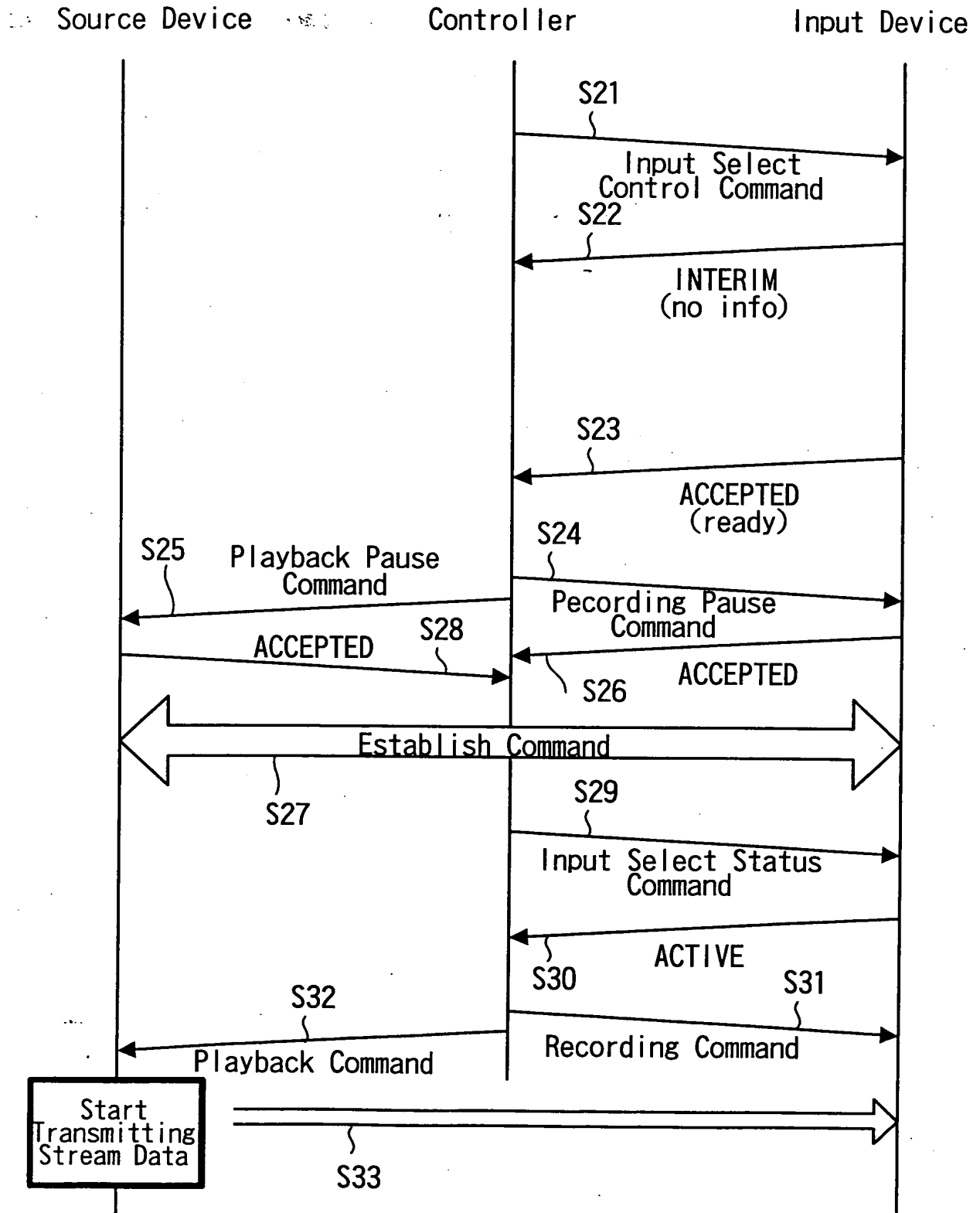


FIG. 20



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FIG. 21

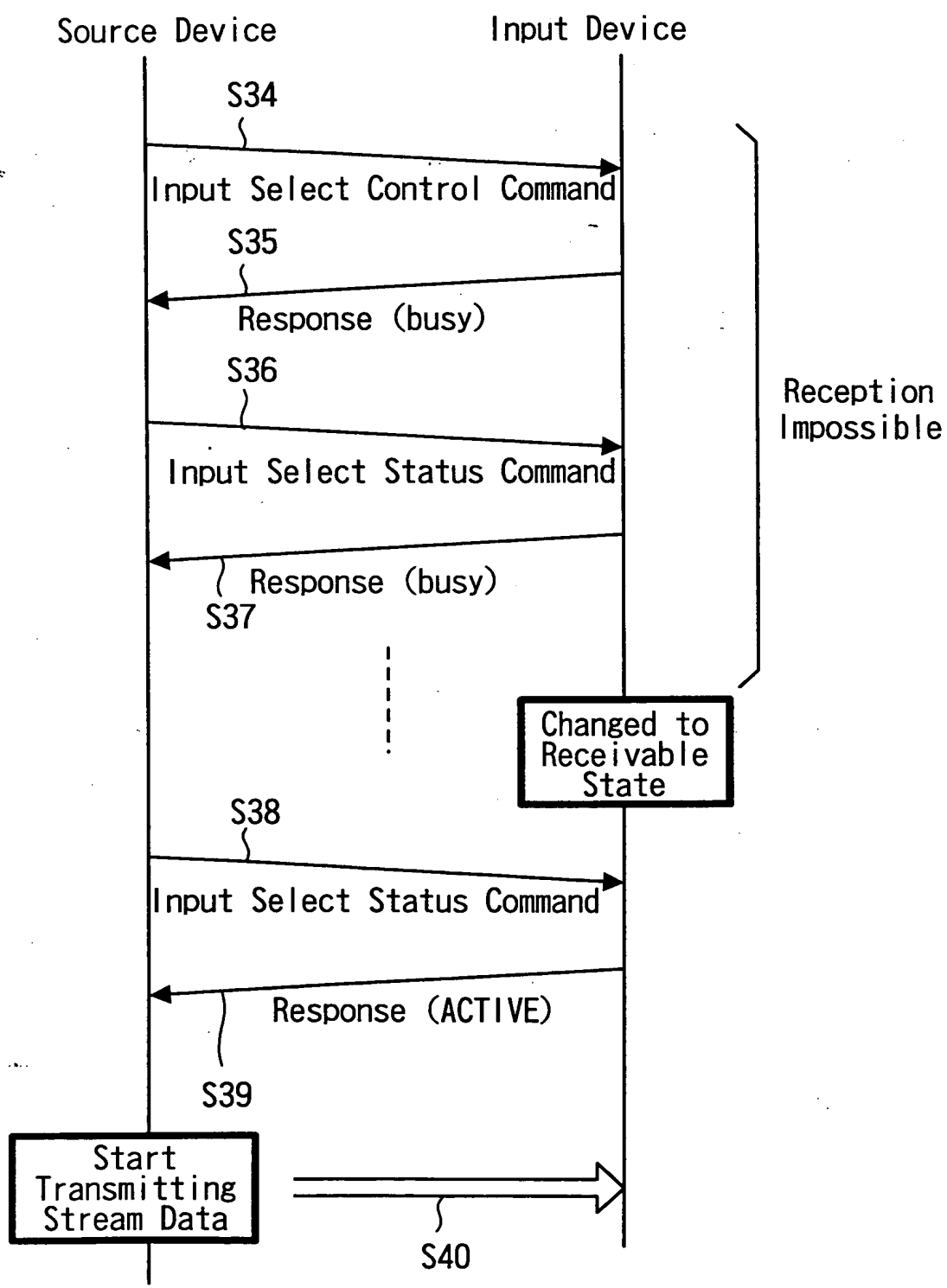
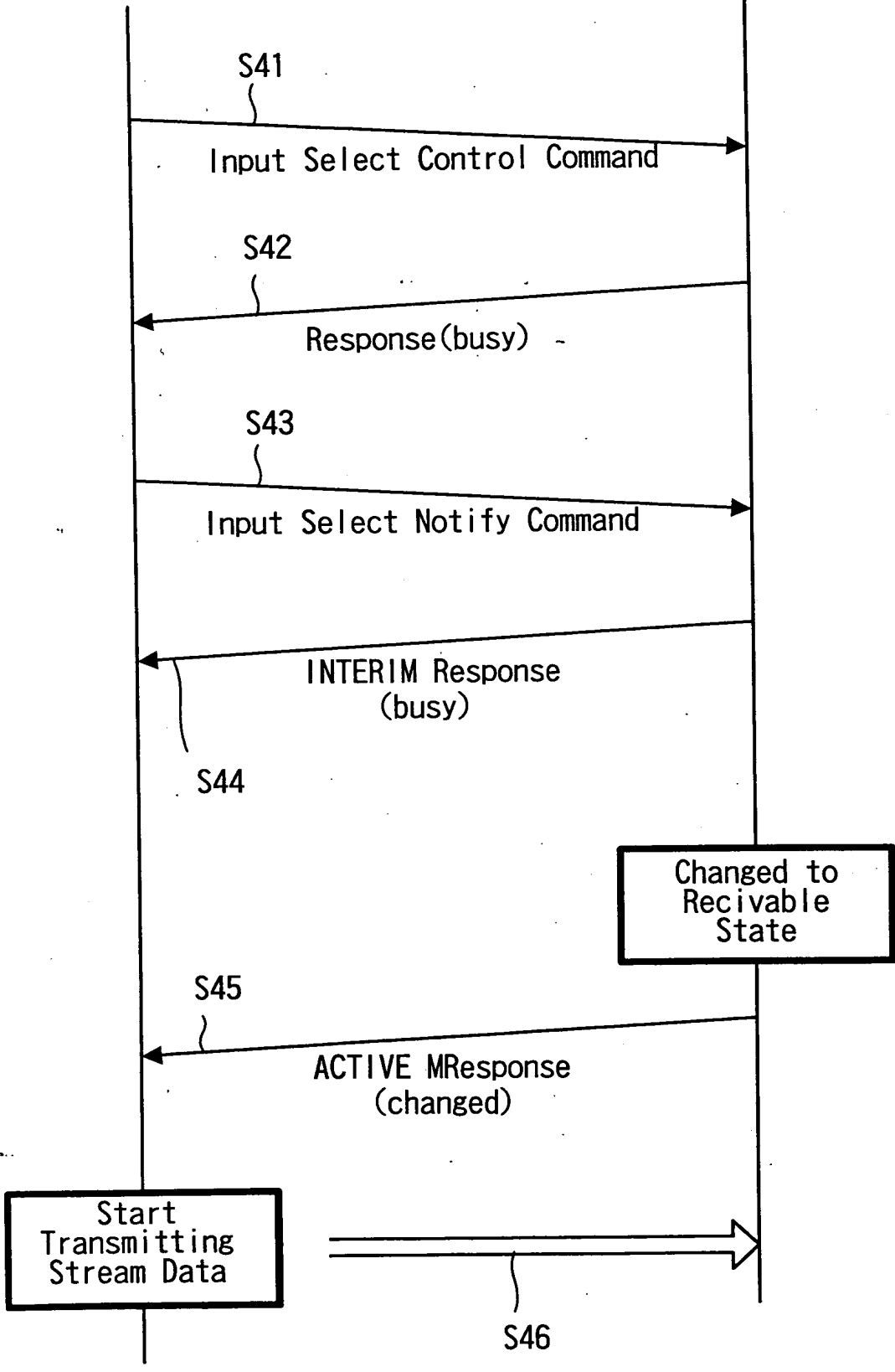


FIG. 22

Source Device Input Device



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FIG. 23

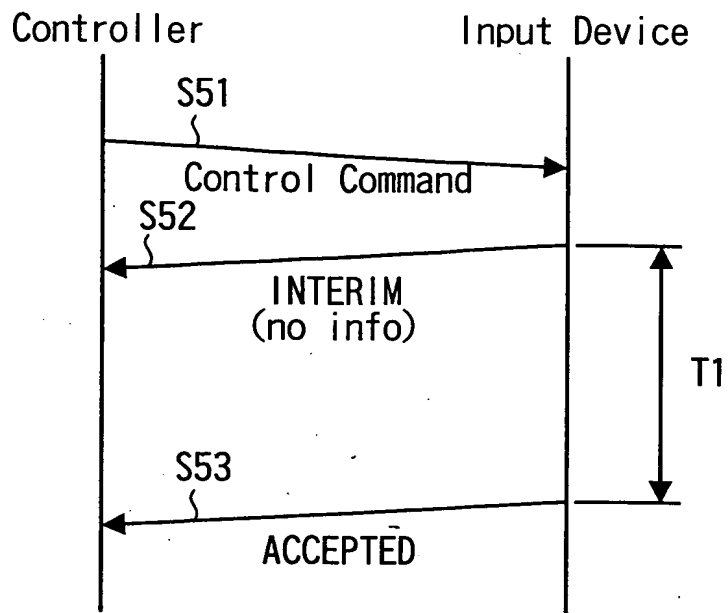
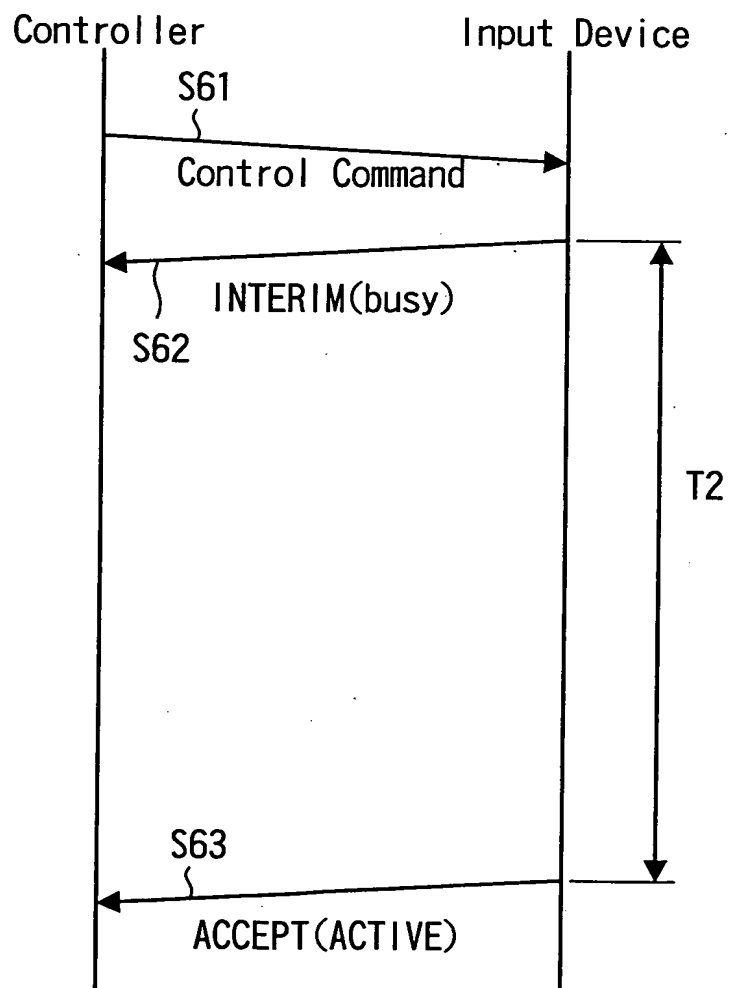


FIG. 24



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FIG. 25

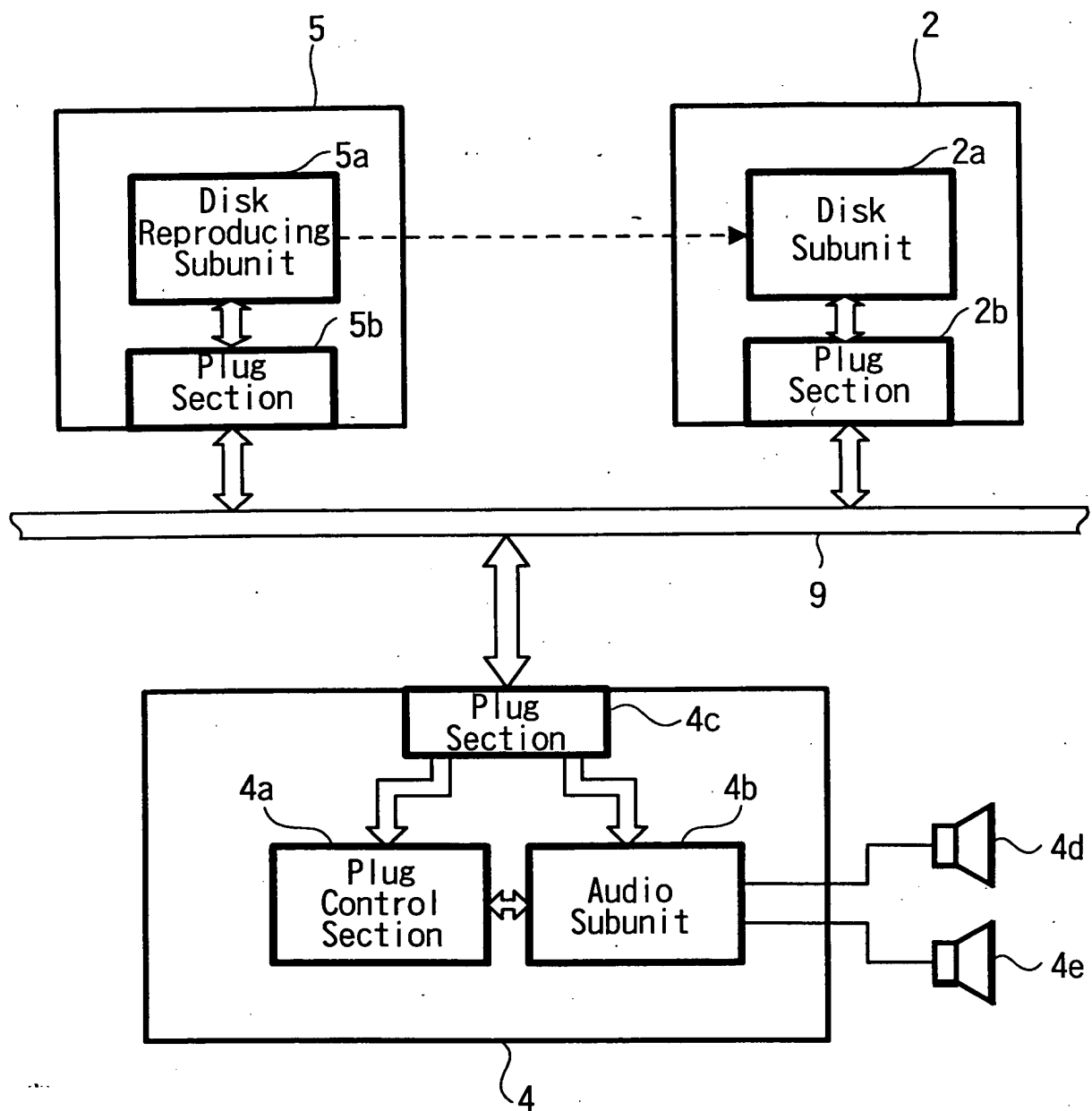


FIG. 26

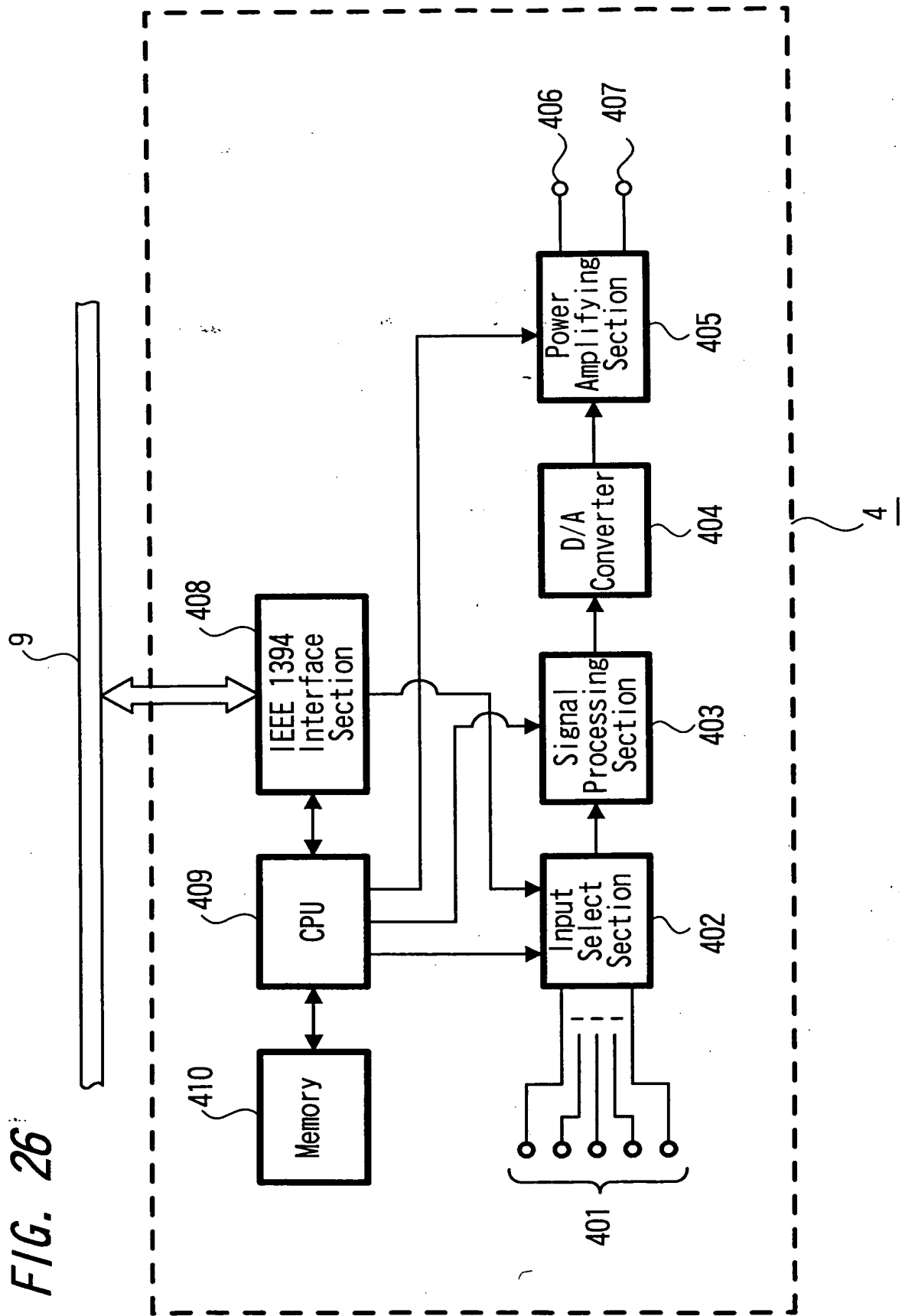


FIG. 27

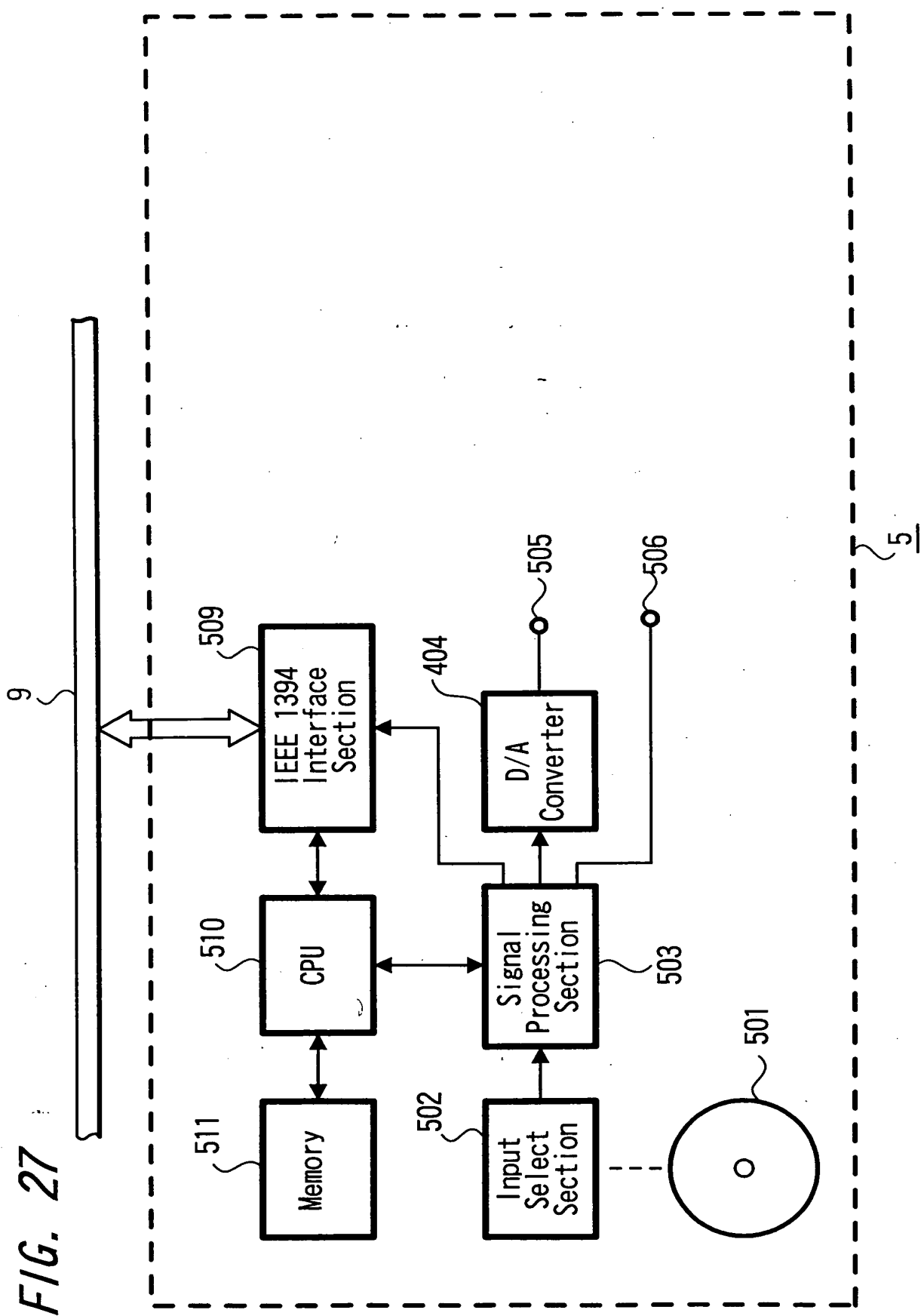


FIG. 28

	msb							
opcode	INPUTSELECT(1B6)							
operand [0]	subfunction							
operand [1]	reserved				F16			
operand [2]	node_ID							
operand [3]								
operand [4]	Output_plug							
operand [5]	input_plug							
operand [6]								
operand [7]	signal_destination_plug							
operand [8]	reserved							

FIG. 29

Value	subfunction	Meaning
0 ₁₆	Connect	Establish Connction With Output Device
1 ₁₆	Path change	Chage Path in the State in Which Device is Selected
2 ₁₆	Select	Select Device But do Not Establish Connection
3 ₁₆	disconnect	Disconnect Connection With Output Device

FIG. 30

Value	output_plug
00 ₁₆ -1E ₁₆	Serial Bus oPCR [0] _oPCR [30]
1F ₁₆ -7E ₁₆	Reserved
7F ₁₆	Not applicable
80 ₁₆ -9E ₁₆	External output plug0-30
9F ₁₆ -FD ₁₆	Reserved
FE ₁₆	Invalid
FF ₁₆	Any available external output plug

FIG. 31

Value	output_plug
00 ₁₆ –1E ₁₆	Serial Bus oPCR [0] _oPCR [30]
1F ₁₆ –7F ₁₆	Reserved
7F ₁₆	Any available Serial Bus oPCR [x]
80 ₁₆ –9E ₁₆	External output plug0–30
9F ₁₆ –FD ₁₆	Reserved
FE ₁₆	Invalid
FF ₁₆	Any available External output plug

FIG. 32

Value	signal_destination_plug
00 ₁₆ –1E ₁₆	Destination plug0–30
1F ₁₆ –FD ₁₆	Reserved
FE ₁₆	Invalid
FF ₁₆	Any available Destination plug

FIG. 33

	msb							
opcode	INPUTSELECT(1B6)							
operand [0]	subfunction							
operand [1]	reserved				result_status			
operand [2]	node_ID							
operand [3]								
operand [4]	Output_plug							
operand [5]	input_plug							
operand [6]	signal_destination							
operand [7]								
operand [8]	reserved							

FIG. 34

Value	result_status	Return Command Type
0 ₁₆	no error	ACCEPTED
1 ₁₆	disabled	REJECTED
2 ₁₆	locked	REJECTED
3 ₁₆	p-to-p(not owner)	REJECTED
4 ₁₆	insufficient resource	REJECTED
5 ₁₆	source not found	REJECTED
6 ₁₆	not selected	REJECTED
7 ₁₆	not registered	REJECTED
8 ₁₆ -D ₁₆	reserved	
E ₁₆	any other reason	REJECTED
F ₁₆	no information	INTERIM

FIG. 35

Value	input_plug
00 ₁₆ -1E ₁₆	Serial Bus plug zero-30
1F ₁₆ -7E ₁₆	Reserved for future specification
7F ₁₆	Not applicable
80 ₁₆ -9E ₁₆	External plug zero-30
9F ₁₆ -FD ₁₆	Reserved for future specification
FE ₁₆	Invalid
FF ₁₆	not applicable for ACCEPTED response

FIG. 36

	msb						lsb
opcode	SIGNAL SOURCE(1A ₁₆)						
operand [0]	FF ₁₆						
operand [1]	FF ₁₆						
operand [2]	FF ₁₆						
operand [3]	signal_destination						
operand [4]							

FIG. 37

	msb						lsb
opcode	SIGNAL_SOURCE(1A ₁₆)						
operand [0]	output_status		conv	signal_status			
operand [1]	signal_source						
operand [2]							
operand [3]	signal_destination						
operand [4]							

FIG. 38

Value	output_status
0 ₁₆	effective packet output
1 ₁₆	not effective
2 ₁₆	insufficient resource
3 ₁₆	ready
4 ₁₆	virtual output
5 ₁₆	reserved

FIG. 39

Value	Meanig
0	Format of Signal Outputted From Destination Plug Cannot be Changed
1	Format of Signal Outputted From Destination Plug Can be Changed

FIG. 41

msb			lsb
processed	filtered	converted	OSD overlaid

FIG. 41

Value	source_plug_ID
00 ₁₆ –1E ₁₆	Serial bus iPCR [0] –iPCR [30]
1F ₁₆ –7F ₁₆	Reserved
80 ₁₆ –9E ₁₆	External input plug 0–30
9F ₁₆ –FB ₁₆	Reserved
FC ₁₆ –FE ₁₆	Used for other purposes
FF ₁₆	Not applicable

FIG. 42

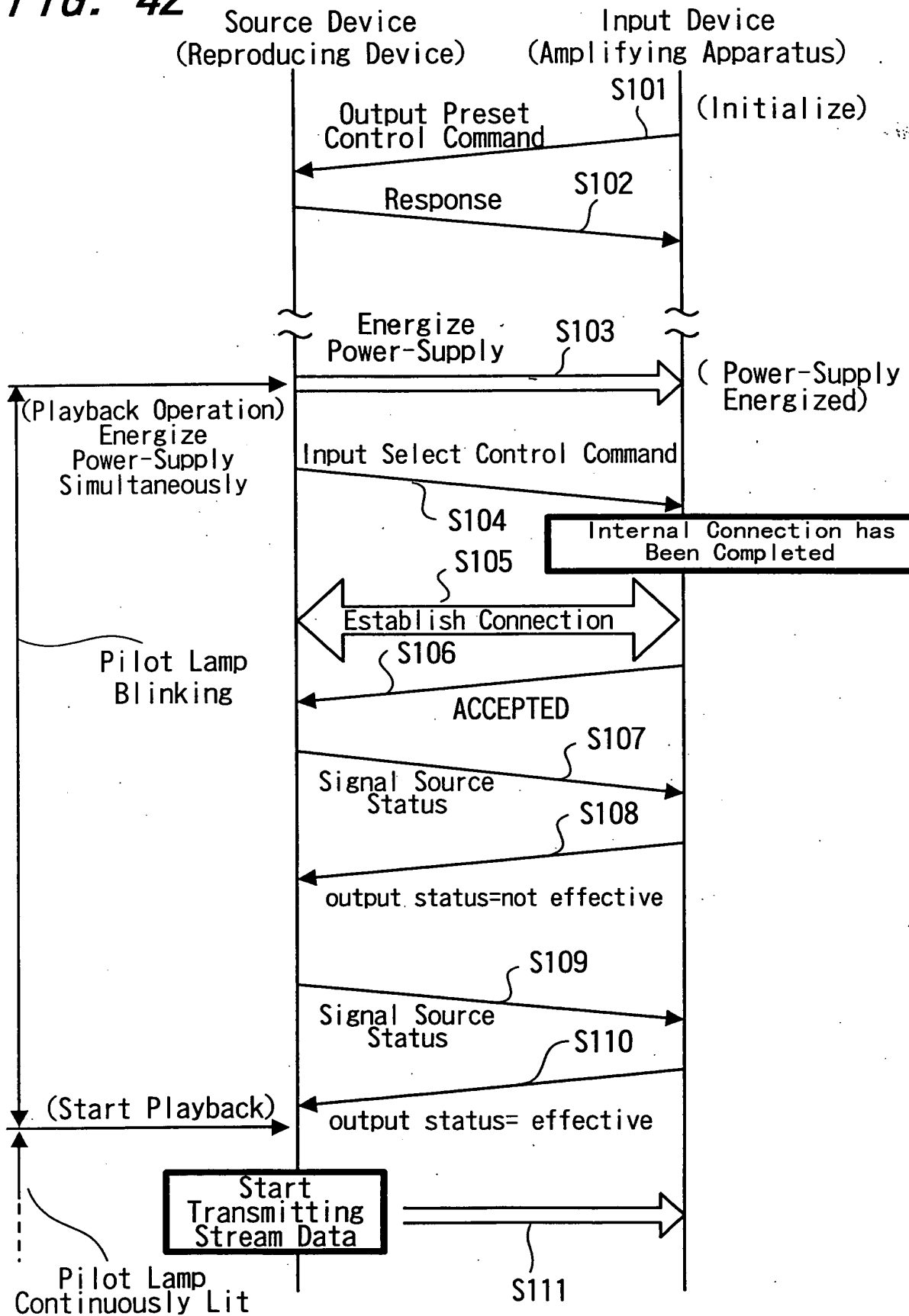
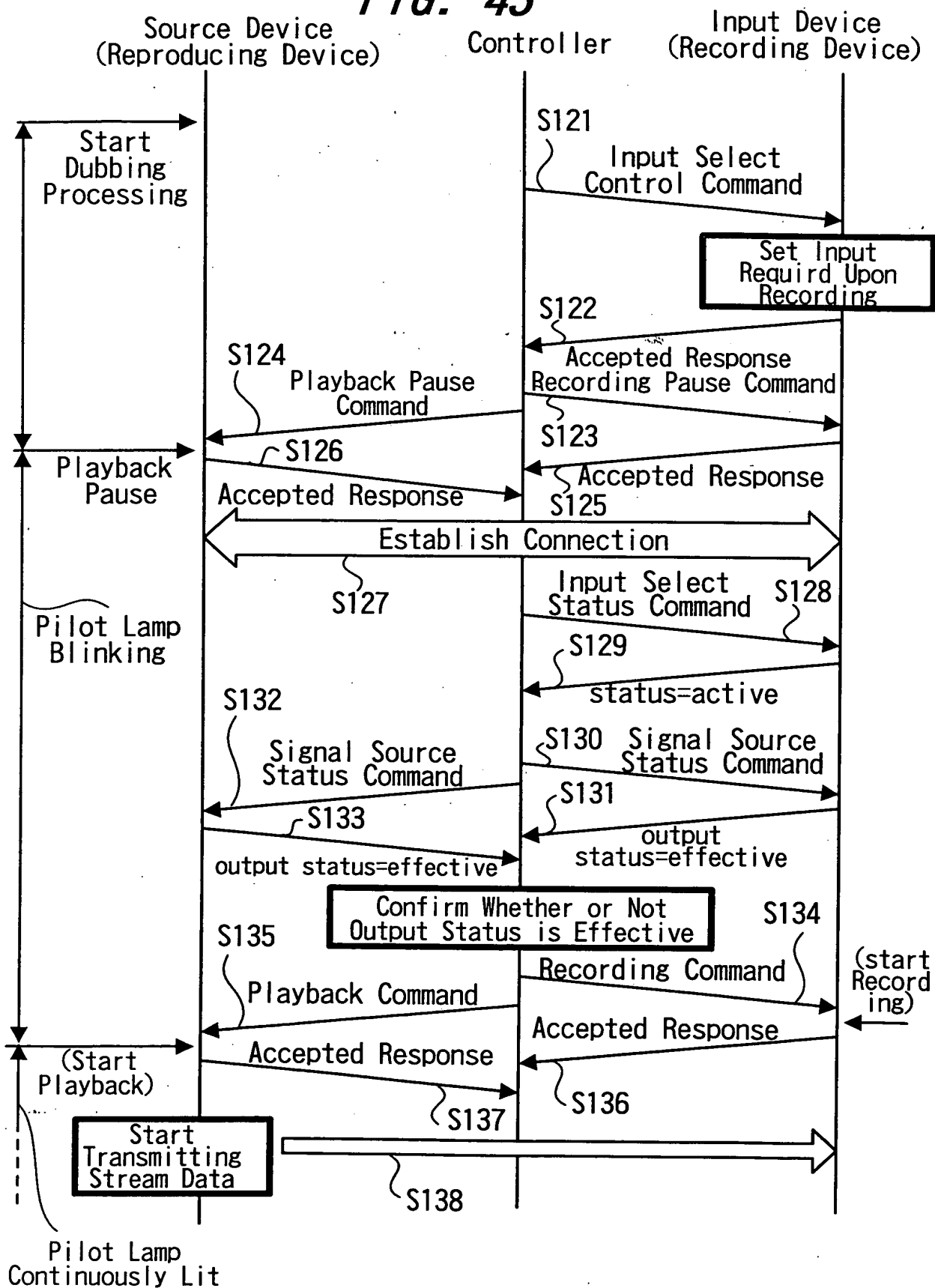


FIG. 43



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FIG. 44

